Application No. 10/038,223 Docket No. 17MY-7138 Amendment dated November 20, 2003 Reply to Office Action of August 20, 2003

Amendments to the Specification:

Please replace paragraph [0025] with the following amended paragraph:

[0025] In an investigation leading to this invention, seven alloys were prepared having the compositions (in weight percent) and average ASTM grain size ("GS") set forth in Table 3 below.

	TABLE 3						
	C1	C2	C3	C4	C5	C6	C7
Cr	14.82	14.43	14.66	14.62	14.27	14.60	14.42
Ni	6.57	6.38	6.49	6.48	6.21	6.42	6.39
Cu	1.50	1.41	-	1.46	1.42	1.37	1.43
Mo	0.75	0.63	0.75	0.89	0.78	0.80	0.65 -
C	0.025	0.033	0.031	0.035	0.023	0.023	0.036
Nb	0.53	0.33	0.50	0.42	0.64	0.52	0.38
Nb/C	21.2	10.0	16.1	12.0	27.8	22.6	10.6
Mn	0.41	0.67	0.55	0.48	0.72	0.32	0.68
Si	0.42	0.42	0.49	0.40	0.28	0.55	0.44
V	- .	0.05	-	0.08	0.02	0.04	0.03
N	-	0.010	0.030	0.022	0.059	0.17	0.13
P	0.021	0.016	0.017	0.019	0.015	0.020	0.012
S	0.002	0.0001	0.002	0.001	0.002	0.002	0.002
Fe	bal.	bal.	bal.	bal.	bal.	bal.	bal.
GS	n/a	6	7.	7.5	3.5	6	8

Alloy C1 was the Custom 450 alloy commercially available from Carpenter. Notably, while alloy C1 had a composition within the limits published for the Custom 450 alloy (e.g., Nb/C ratio: 8xC minimum), its Nb/C ratio exceeded that set for the Custom 450

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> alloy in U.S. Patent No. 3,574,601 (Nb/C ratio: 10xC maximum). The alloy also had was determined to have a low carbon content, a high Nb/C ratio, and a high phosphorus content relative to the limits for the alloy of this invention set forth in Table I. Alloy C2 had a fine grain size, the lowest Nb/C ratio and lowest nitrogen content. At the other extreme, alloy C5 had the largest grain size, the highest Nb/C ratio (including a carbon content below that allowed in Table 1) and the highest nitrogen content, each of which was outside the limits allowed in Tables 1 and 2. Similar to alloy C2, alloys C3 and C4 also had fine grain sizes, but Nb/C ratios and nitrogen contents intermediate that of alloys C2 and C5. Alloys C6 and C7 also had fine grain sizes and low nitrogen contents, but Alloy C7 had a Nb/C ratio close to that of C2 while Alloy C6 had a Nb/C ratio (resulting from a carbon content below that allowed in Table 1) that exceeded the upper limit in Table 1. In summary, all of the alloys had carbon contents and Nb/C ratios within the published limits for the commercial Custom 450 alloy, though alloys C1 (Custom 450), C5 and C6 had Nb/C ratios, alloy C1 had a phosphorous content, and alloy C5 had a nitrogen content that were outside the ranges specified for the alloy of this invention, they were within the accepted ranges for the Custom 450 alloy as disclosed in U.S. Patent No. 3,574,601.